AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

- 1. (Currently Amended) A method for suppressing a reduction in an endoglucanase activity in the presence of a surfactant, characterized by modifying a protein having the endoglucanase activity in which the N-terminus is an amino acid other than pyroglutamic acid, to a protein according to claim 5, having the N-terminus of pyroglutamic acid.
- 2. (Original) The method according to claim 1, wherein the modification is carried out by adding pyroglutamic acid or an amino acid convertible into pyroglutamic acid, or a peptide having the N-terminus of pyroglutamic acid or an amino acid convertible into pyroglutamic acid, to the N-terminus of the protein having the endoglucanase activity in which the N-terminus is an amino acid other than pyroglutamic acid.
- 3. (Original) The method according to claim 1, wherein the modification is carried out by substituting pyroglutamic acid or an amino acid convertible into pyroglutamic acid, or a peptide having the N-terminus of pyroglutamic acid or an amino acid convertible into pyroglutamic acid, for the N-terminal amino acid or an N-terminal region of the protein having the endoglucanase activity in which the N-terminus is an amino acid other than pyroglutamic acid.

- 4. (Previously Presented) The method according to claim 1, wherein the protein having the endoglucanase activity in which the N-terminus is an amino acid other than pyroglutamic acid is a cellulase belonging to family 45.
- 5. (Original) A modified protein having an endoglucanase activity wherein the N-terminal amino acid is converted into pyroglutamic acid by an amino acid modification.
- 6. (Previously Presented) The modified protein according to claim 5, which is obtainable by a method for suppressing a reduction in an endoglucanase activity in the presence of a surfactant, characterized by modifying a protein having an endoglucanase activity in which the N-terminus is an amino acid other than pyroglutamic acid, to a protein having an N-terminus of pyroglutamic acid.
 - 7. (Original) A protein selected from the group consisting of:
 - (a) a protein comprising the amino acid sequence of SEQ ID NO: 2, 4, 38, or 40;
 - (b) a modified protein comprising an amino acid sequence in which one or plural amino acids are deleted, substituted, inserted, or added in the amino acid sequence of SEQ ID NO: 2, 4, 38, or 40, and having an endoglucanase activity whose reduction in the presence of a surfactant is small; and
 - (c) a homologous protein comprising an amino acid sequence having at least 85% homology with a protein comprising the amino acid sequence of SEQ

ID NO: 2, 4, 38, or 40, and having an endoglucanase activity whose reduction in the presence of a surfactant is small.

- 8. (Previously Presented) A polynucleotide encoding the protein according to claim 5.
 - 9. (Original) A polynucleotide selected from the group consisting of:
 - (a) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 1, 3,37, or 39;
 - (b) a polynucleotide comprising a nucleotide sequence in which one or plural nucleotides are deleted, substituted, inserted, or added in the nucleotide sequence of SEQ ID NO: 1, 3, 37, or 39, and encoding a protein having an endoglucanase activity whose reduction in the presence of a surfactant is small; and
 - (c) a polynucleotide hybridizing under stringent conditions to a polynucleotide consisting of the nucleotide sequence of SEQ ID NO: 1, 3, 37, or 39, and encoding a protein having an endoglucanase activity whose reduction in the presence of a surfactant is small.
- 10. (Previously Presented) An expression vector comprising the polynucleotide according to claim 8.
- 11. (Original) A host cell transformed with the expression vector according to claim 10.

- 12. (Original) The host cell according to claim 11, wherein the host cell is a yeast or filamentous fungus.
- 13. (Original) The host cell according to claim 12, the filamentous fungus is a microorganism belonging to genus Humicola or Trichoderma.
- 14. (Original) The host cell according to claim 13, the filamentous fungus is Humicola insolens or Trichoderma viride.
- 15. (Previously Presented) A process for producing the protein according to claim 5, comprising:

cultivating a host cell transformed with an expression vector comprising a polynucleotide encoding the protein, and

recovering the protein from the host cell or culture obtained by the cultivation.

- 16. (Original): A protein produced by the process according to claim 15.
- 17. (Previously Presented) The method according to 2, wherein the protein having the endoglucanese activity in which the N-terminus is an amino acid other than pyroglutamic acid is a cellulase belonging to family 45.

- 18. (Previously Presented) The method according to claim 3, wherein the protein having the endoglucanase activity in which the N-terminus is an amino acid other than pyroglutamic acid is a cellulase belonging to family 45.
 - 19. (Previously Presented) The modified protein according to claim 2.
 - 20. (Previously Presented) The modified protein according to claim 3.